# 1 Safety information

## 1.1 General safety instructions

**⚠ WARNING!**

**When connecting and operating the motors considerable hazards to the life and health of persons may occur!**

- ▶ When connecting the motor observe the following safety instructions, the operating instructions for the motor and applicable national, local and system-specific regulations.

## 1.2 Safety when making the electrical connection

**⚠ WARNING!**

**Electrical shock by touching live unpainted parts of the motor!**

- ▶ The electrical connection of the motor may only be carried out by a qualified electrician.
- ▶ Before connecting the motor, switch the relevant system or machine to zero potential with the main switch and protect the main switch against being turned on again!
- ▶ Close the entire connector housing before turning on the motor.

## 1.3 Avoid connection errors

***NOTICE***

**Electrical connection errors can cause damage to the motor and its components.**

- ▶ Make sure that the cables and connectors to be connected meet this motor connection plan.
- ▶ Carefully note the information on the motor name plate and this motor connection plan. For questions please contact STOBER Service department.

## 1.4 Risks of noncoordinated third-party components

***NOTICE***

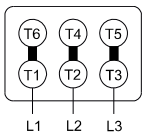
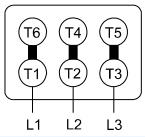
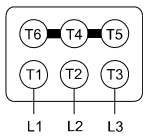
**If connection cables or a drive controller that are not designed for the motor are used to make the electrical connection for the motor, this may result in damage to the motor or that compliance with the legal requirements for EMC is no longer provided and claims under the warranty will be null and void.**

- ▶ You should use connection cables and a drive controller specifically designed for your motor from the STOBER product range.



Connection Plan Motors CLM_HF on Delta MH300

# 2 Power connection

| Parameters | Connection diagram | Configuration |
|---|---|---|
| $n_N$ = 3000 min$^{-1}$<br>$K_{EM}$ = 118/121 V / 1000 min$^{-1}$<br>$U_{ZK}$ = 620 V |  | Δ |
| $n_N$ = 1800 min$^{-1}$<br>$K_{EM}$ = 118/121 V / 1000 min$^{-1}$<br>$U_{ZK}$ = 310 V |  | Δ |
| $n_N$ = 1800 min$^{-1}$<br>$K_{EM}$ = 201/206 V / 1000 min$^{-1}$<br>$U_{ZK}$ = 620 V |  | Y |

$n_N$ = Nominal speed of the motor
$K_{EM}$ = Voltage constant of the motor
$U_{ZK}$ = DC link voltage of the drive controller

# 3 Temperature sensor

***NOTICE***

**The thermal winding protection can be damaged by electrical connection errors!**

- ▶ Carefully note the type of the temperature sensor indicated on the motor name plate.